

Title (en)

METHOD FOR PRODUCING COLLAGEN PEPTIDES FROM BONES, AND PRODUCED COLLAGEN PEPTIDES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOLLAGENPEPTIDEN AUS KNOCHEN, UND HERGESTELLTE KOLLAGENPEPTIDE

Title (fr)

PROCÉDÉ DE PRODUCTION DE PEPTIDES DE COLLAGÈNE À PARTIR D'OS, ET PEPTIDES DE COLLAGÈNE PRODUITS

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Application

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Abstract (en)

[origin: WO2021089243A1] The present invention relates to a method for producing collagen peptides from bones, comprising the following steps: a) providing bones from vertebrates; b) mechanically comminuting the bones to a particle size of less than 1.000 µm, preferably less than 500 µm, more preferably less than 300 µm, at a temperature of less than 70°C during comminution; c) heating the comminuted bones in an aqueous suspension to a temperature above 100°C, preferably above 120°C, more preferably above 130°C, for a period of 1 to 30 min, preferably 2 to 10 min, more preferably 4 to 8 min; d) adding one or more proteases to the suspension to obtain an aqueous solution of collagen peptides; and e) separating the aqueous solution of collagen peptides from the comminuted bones. The method does not comprise maceration of the bones with an acid or liming of the bones with a base, and bones provided in step a) have not been subjected to maceration and liming. The invention further relates to collagen peptides produced by this method.

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